

L3 ANSWER 10 OF 10 CA COPYRIGHT 2008 ACS on STN

AN 98:94681 CA

OREF 98:14371a,14374a

ED Entered STN: 12 May 1984

TI Fire-suppressing and heat-storing light concrete

IN Quante, Heinrich

PA Fed. Rep. Ger.

SO Ger. Offen., 7 pp.

CODEN: GWXXBX

DT Patent

LA German

IC C04B015-02; C04B043-00; C04B041-22

CC 58-4 (Cement, Concrete, and Related Building Materials)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3046405	A1	19820909	DE 1980-3046405	19801210
PRAI	DE 1980-3046405		19801210		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
DE 3046405	IC	C04B015-02; C04B043-00; C04B041-22
	IPCI	C04B0015-02; C04B0043-00; C04B0041-22
	IPCR	C04B0028-00 [I,C*]; C04B0028-32 [I,A]

AB Lightwt. fire-resistant and thermal-insulating concrete building materials with bulk d. 150-1000 kg/m3 are prepared from MgO cement containing hollow microspheres and 1-25 weight% reinforcing fibers with preferred length 3-7 mm. Thus, 5 compns. were prepared from the cement, microspheres, and 10 weight% cellulose [9004-34-6] fibers. These had bulk d. 150, 250, 500, 750, and 1000 kg/m3 and resp. thermal conductivity 0.046, 0.049, 0.062, 0.079, and 0.099 W/m-K.

ST magnesia cement insulating concrete; cellulose fiber insulating concrete; microsphere insulating concrete

IT Fibers

> d his

(FILE 'HOME' ENTERED AT 13:51:21 ON 17 NOV 2008)

FILE 'CA' ENTERED AT 13:51:32 ON 17 NOV 2008

L1 160048 S HYDRAULIC(W)BINDER OR CEMENT
L2 537 S L1 AND (CELLULOSE(W)FIBRE? OR CELLULOSE(W)FIBER? OR CELLULOSE
L3 10 S L2 AND (MICROSPHERE OR MICROSPHERES OR CENOSPHERE OR CENOSPHE

=>